

**BOBBY JINDAL**  
GOVERNOR



**HAROLD LEGGETT, PH.D.**  
SECRETARY

**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**ENVIRONMENTAL SERVICES**

Certified Mail No.

Activity No.: PER20090001  
Agency Interest No. 32696

Mr. Donald Sands  
Senior Manager, GOM Operations  
Devon Energy Production Co LP  
400 East Kaliste Saloom Road, Suite 2500  
Lafayette, Louisiana 70508

**RE: Part 70 Operating Permit, Main Pass 68 G Facility, Devon Energy Production Co LP**  
Venice, Plaquemines Parish, Louisiana

Dear Mr. Sands:

This is to inform you that the permit renewal/modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

Permit No.: 2240-00264-V3

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary  
CSN:cet  
c: EPA Region VI

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Main Pass 68 G Facility  
Agency Interest No.: 32696  
Devon Energy Production Co LP  
Venice, Plaquemines Parish, Louisiana**

**I. Background**

Devon Energy Production Co LP, Main Pass 68 G Facility, an existing offshore oil and gas platform that began operation in December 1998. The Main Pass 68 G Facility currently operates under Permit 2240-00264-V2, dated June 6, 2005.

This is the renewal of the Part 70 operating permit for the facility.

**II. Origin**

A permit application and Emission Inventory Questionnaire were submitted by Devon Energy Production Co LP on March 9, 2009 requesting a renewal/modification of the Part 70 operating permit. Additional information dated October 29, 2009 was also received.

**III. Description**

The Main Pass 68G Facility is an offshore oil and gas platform. Production streams are separated into oil, water and natural gas and then routed to appropriate pipelines. Devon Louisiana requested a Part 70 operating permit renewal for the facility. In this modification the company proposes the following:

- Add two gas operated chemical injection pumps (Sources CI-03 and CI-04);
- Add two gas operated diaphragm pumps (Sources DP-05 and DP-06);
- Delete the gas operated level controllers (Source LC-04);
- Delete the gas operated pressure controllers (Source PC-01); and
- Add a vent scrubber blow-case (Source BC-01).

Devon also requested that pump engines 02 and 03 be deleted; however, these out of service pump engines were removed in previous permitting activity.

Emissions from the facility were recalculated to reflect updated emissions factors and actual operating conditions for the following:

- Cooper Bessemer Compressor Engines (Source CE-01),
- Caterpillar G3606 Compressor Engines (Source CE-02),
- Diesel Crane Engine (Source DC-01),
- Gas Operated Chemical Pumps (Sources CI-01 and CI-02),
- Gas Operated Diaphragm Pumps (Sources DP-01, DP-02, DP-03, and DP-04),
- Gas Operated Level Controllers (Sources LC-01, LC-02, and LC-03),
- Gas Operated Pressure Controllers PC-02,
- Generator Engine GE-01, and
- Facility Fugitives FE-01.

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Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM <sub>10</sub>	0.06	2.52	2.46
SO <sub>2</sub>	0.12	0.11	-0.01
NO <sub>x</sub>	206.32	182.86	-23.46
CO	104.29	55.72	-48.57
VOC *	21.83	20.18	-1.65

**\*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Benzene	0.08	0.236	+0.156
2,2,4-Trimethylpentane	-	0.020	+0.020
Acetaldehyde	0.90	0.557	-0.333
Ethylbenzene	0.01	0.010	-
Formaldehyde	5.65	4.001	-1.649
Toluene	0.07	0.113	+0.043
Xylenes	0.03	0.034	+0.004
n-Hexane	0.39	0.422	+0.032
H <sub>2</sub> S	-	-	-
Total TAPs	7.13	5.392	- 1.738

Other VOC (TPY): 14.788

**IV. Type of Review**

Devon Energy Production Co LP's application was reviewed for compliance with 40 CFR Part 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Compliance Assurance Monitoring (CAM) and Prevention of Significant Deterioration (PSD) do not apply.

This facility is a minor source of toxic air pollutants per LAC 33:III. Chapter 51 and an area source of hazardous air pollutants pursuant to 40 CFR 63 Subpart ZZZZ.

There are no other Devon Energy facilities contiguous to the Main Pass 68G facility.

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Venice, Plaquemines Parish, Louisiana**

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2009; and in the <local paper>, <local town>, on <date>, 2009. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

**VII. Effects on Ambient Air**

Emissions associated with the proposed renewal/modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

Dispersion Model(s) Used: None

**AIR PERMIT BRIEFING SHEET**  
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**VIII. General Condition XVII Activities**

Work Activity	Schedule	Emission Rates - tons				
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
Collection of Samples	8 per month	-	-	-	-	0.025
Combustion Engine Shutdown and Maintenance	24 per year	-	-	-	-	0.075
Pump Preparation	4 per year	-	-	-	-	0.0125
Pipeline Preparation	100 sections per year.	-	-	-	-	0.050
Vessel Preparation	1 per year	-	-	-	-	0.075
Filter Replacements	8 per month	-	-	-	-	0.0125
Instrument Mechanical Work	52 per year	-	-	-	-	0.0125
Tank Cleaning for Inspection/Service	1 per year					0.075
Shop Work	1 per year					0.050
<b>TOTAL</b>						<b>0.3875</b>

**IX. Insignificant Activities**

None

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Main Pass 68 G Facility**  
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**Venice Plaquemines Parish, Louisiana**

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III Chapter																	
		5▲	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	2121	22	29*	51*	53*	56
UNF 1	Main Pass 68G Facility		1	1	1					1					1		1	2	
EQT001	CE-01 Compressor Engine																		
EQT002	CE-02 - Compressor Engine																		
EQT003	DC-01 - Diesel Crane Engine																		
EQT004	GE-01 - Generator Engine																		
EQT005	CI-01 - Gas Operated Chemical-Inject Pump																		
EQT006	CI-02 - Gas Operated Chemical-Inject Pump																		
EQT007	DP-01 - Gas Operated Diaphragm Pump																		
EQT008	DP-02 - Gas Operated Diaphragm Pump																		
EQT009	DP-03 - Gas Operated Diaphragm Pump																		
EQT010	DP-04 - Gas Operated Diaphragm Pump																		
EQT011	LC-01 - Gas Operated Level Controllers																		
EQT012	LC-02 - Gas Operated Level Controllers																		
EQT013	LC-03 - Gas Operated Level Controllers																		
EQT016	PC-02 - Gas Operated Pressure Controllers																		
EQT019	DP-05 - Gas Operated Diaphragm Pump																		
EQT020	DP-06 - Gas Operated Diaphragm Pump																		

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

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		5▲	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	2121	22	29*	51*	53*	56
EQT021	BC-01 - Vent Scrubber Blow Case																		
FUG001	FE-01 - Facility Fugitives																		

\* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements that apply to this particular emission source.  
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.  
Blank - The regulations clearly do not apply to this type of emission source.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Main Pass 68 G Facility**  
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**Venice Plaquemines Parish, Louisiana**

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR					
		A	D	Db	Dc	GG	KKK	LLL	III	JJJ	A	M	V	A	HH	SS	ZZZZ	64	68	70	72				
UNF 1	Main Pass 68G Facility																					3	3	1	
EQT001	CE-01 Compressor Engine																					3			
EQT002	CE-02 - Compressor Engine																					3			
EQT003	DC-01 - Diesel Crane Engine																					3			
EQT004	GE-01 - Generator Engine																					1			
EQT005	CL-01 - Gas Operated Chemical-Inject Pump																					3			
EQT006	CL-02 - Gas Operated Chemical-Inject Pump																					3			
EQT007	DP-01 - Gas Operated Diaphragm Pump																					3			
EQT008	DP-02 - Gas Operated Diaphragm Pump																					3			
EQT009	DP-03 - Gas Operated Diaphragm Pump																					3			
EQT010	DP-04 - Gas Operated Diaphragm Pump																					3			
EQT011	LC-01 - Gas Operated Level Controllers																					3			
EQT012	LC-02 - Gas Operated Level Controllers																					3			
EQT013	LC-03 - Gas Operated Level Controllers																					3			
EQT016	PC-02 - Gas Operated Pressure Controllers																					3			
EQT019	DP-05 - Gas Operated Diaphragm Pump																					3			
EQT020	DP-06 - Gas Operated Diaphragm Pump																					3			

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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EQT021	BC-01 -Vent Scrubber Blow Case																				
FUG001	FE-01 - Facility Fugitives																				

**KEY TO MATRIX**

- 1 -The regulations have applicable requirements that apply to this particular emission source.  
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
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- Blank – The regulations clearly do not apply to this type of emission source.

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Main Pass 68 G Facility  
 Agency Interest No.: 32696  
 Devon Energy Production Co LP  
 Venice Plaquemines Parish, Louisiana

**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
UNF001	LAC 33:III.2115 Waste Gas Disposal	<b>EXEMPT.</b> Total VOC emissions < 100 TPY [LAC 33:III.2115.H.1.a]
	LAC 33:III. Chapter 59 - Chemical Accident Prevention and Minimization of Consequences	<b>DOES NOT APPLY.</b> Facility does not store or process any referenced listed substance greater than the threshold amounts. [LAC 33:III.5901]
	LAC 33:III.Chapter 51 – Comprehensive Toxic Air Pollutant Emission Control Program	<b>DOES NOT APPLY.</b> Facility is a minor source of TAPs. [LAC 33:III.5901]
	40 CFR Part 60 - Subpart LLL - Standards of Performance for Onshore Natural Gas Processing; SO2 Emissions	<b>DOES NOT APPLY.</b> Facility is not an onshore natural gas processing plant. [40 CFR 60.640(c)]
	Compliance Assurance Monitoring 40 CFR 64	<b>DOES NOT APPLY.</b> PSEUs at the Facility do not have an add-on control device to achieve compliance with an emission standard. [40 CFR 64.2 - Applicability]
	Chemical Accident Prevention Provisions 40 CFR 68	<b>DOES NOT APPLY.</b> Facility does not store or process any referenced listed substance greater than the threshold amounts. [40 CFR 68]

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Main Pass 68 G Facility**  
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**Devon Energy Production Co LP**  
**Venice Plaquemines Parish, Louisiana**

**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
CE-01	LAC 33:III.1502. Emission Standards for Sulfur Dioxide. Applicability	<b>DOES NOT APPLY.</b> Source's potential to emit SO <sub>2</sub> emissions is < 5 tons/year.
CE-02		
DC-01		
GE-01		
CE-01	40 CFR 60 Subpart JJJ-Standards of Performance for Stationary Spark Ignition Internal Combustion Engines-	<b>DOES NOT APPLY.</b> The compressor engines were manufactured prior to June 12, 2006 and have not been modified or reconstructed after June 12, 2006. [40 CFR 60.4230]
CE-02		
	40 CFR 63 Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	<b>DOES NOT APPLY.</b> The compressor engines were manufactured prior to June 12, 2006 and have not been modified or reconstructed after June 12, 2006. A stationary RICE which is an ...existing spark ignition 2 stroke lean burn (2SLB) stationary RICE, an existing spark ignition 4 stroke lean burn (4SLB) stationary RICE, ... does not have to meet the requirements of this subpart and of subpart A of this part. No initial notification is necessary. 40 CFR 63.6590(b)(3)

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
DC-01	40 CFR 60 Subpart III—Standards of Performance for Stationary Compression Ignition Internal Combustion Engines-	<p><b>DOES NOT APPLY.</b> The diesel engine was manufactured prior to July 11, 2005 and has not been modified or reconstructed after July 11, 2005.</p> <p>[40 CFR 60.4230]</p> <p><b>DOES NOT APPLY.</b> The diesel engine was manufactured prior to June 12, 2006 and has not been modified or reconstructed after June 12, 2006. A stationary RICE which is an ...existing spark ignition 2 stroke lean burn (2SLB) stationary RICE, an existing spark ignition 4 stroke lean burn (4SLB) stationary RICE, ... does not have to meet the requirements of this subpart and of subpart A of this part. No initial notification is necessary.</p> <p>[40 CFR 63.6590(b)(3)]</p>
FUG001	LAC 33:III.2121-Fugitive Emission Control	<p><b>DOES NOT APPLY.</b> Facility is not a natural gas processing plant.</p> <p>[LAC 33:III.2121.A]</p> <p><b>DOES NOT APPLY.</b> Facility is not an onshore natural gas processing plant.</p> <p>[40 CFR 60.630 (a)(1)]</p>

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The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

## General Information

**AI ID:** 32696 Main Pass 68 G Facility  
**Activity Number:** PER20090001  
**Permit Number:** 2240-00264-V3  
**Air - Title V Regular Permit Renewal**

Also Known As:	D	Name	User Group	Start Date
	2240-00264	Devon Louisiana Corp	Air Permitting	04-25-2003
		CDS Number	CDS Number	08-05-2002
<b>Physical Location:</b>		Territory Seas 20 Mi E of Venice, LA 70091		
<b>Mailing Address:</b>		400 E Kaliste Saloom Rd Ste 2500 Lafayette, LA 70508		
<b>Location of Front Gate:</b>		29.248167 latitude, -89.037667 longitude, Coordinate Method: Lat.\Long. - DMS, Coordinate Datum: NAD83		
<b>Related People:</b>				
		<b>Name</b>	<b>Mailing Address</b>	<b>Phone (Type)</b>
		Bryan Molaision	400 E Kaliste Saloom Rd Ste 2500 Lafayette, LA 70508	3372694200 (WP)
		Bryan Molaision	400 E Kaliste Saloom Rd Ste 2500 Lafayette, LA 70508	3372694214 (WF)
		Bryan Molaision	400 E Kaliste Saloom Rd Ste 2500 Lafayette, LA 70508	bryan.molaision@devonenergy.com
<b>Related Organizations:</b>				
		<b>Name</b>	<b>Address</b>	<b>Phone (Type)</b>
		Chevron USA Inc (Owner)	100 Northpark Blvd Bldg N1212 Covington, LA 704335069	9857736894 (WP)
		Chevron USA Inc (Owner)	100 Northpark Blvd Bldg N1212 Covington, LA 704335069	9857736894 (WP)
		Chevron USA Inc (Owner)	100 Northpark Blvd Bldg N1212 Covington, LA 704335069	9857736894 (WP)
		Devon Energy Production Co LP	400 E Kaliste Saloom Rd Ste 2500 Lafayette, LA 70508	3372694244 (WP)
		Devon Energy Production Co LP	400 E Kaliste Saloom Rd Ste 2500 Lafayette, LA 70508	3372694244 (WP)
		Devon Energy Production Co LP	400 E Kaliste Saloom Rd Ste 2500 Lafayette, LA 70508	3372694244 (WP)
		Devon Energy Production Co LP	400 E Kaliste Saloom Rd Ste 2500 Lafayette, LA 70508	3372694244 (WP)
		Devon Louisiana Corp	400 E Kaliste Saloom Rd Ste 2500 Lafayette, LA 70508	3372694214 (WF)
		Devon Louisiana Corp	400 E Kaliste Saloom Rd Ste 2500 Lafayette, LA 70508	3372694214 (WF)
		Devon Louisiana Corp	400 E Kaliste Saloom Rd Ste 2500 Lafayette, LA 70508	3372694217 (HP)
		Devon Louisiana Corp	400 E Kaliste Saloom Rd Ste 2500 Lafayette, LA 70508	3372694217 (HP)
		Devon Louisiana Corp	400 E Kaliste Saloom Rd Ste 2500 Lafayette, LA 70508	3372694214 (WF)
		Devon Louisiana Corp	400 E Kaliste Saloom Rd Ste 2500 Lafayette, LA 70508	3372694217 (HP)
		Ocean Energy Inc	1200 Smith St Ste 3300 Houston, TX 77002	713-286-5942 (WP)
		Ocean Energy Inc	1200 Smith St Ste 3300 Houston, TX 77002	713-286-5942 (WP)
		Ocean Energy Inc	1200 Smith St Ste 3300 Houston, TX 77002	713-286-5942 (WP)

**NAIC Codes:**

General Information

AI ID: 32696 Main Pass 68 G Facility  
Activity Number: PER20090001  
Permit Number: 2240-00264-V3  
Air - Title V Regular Permit Renewal

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.  
Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

**INVENTORIES**

AI ID: 32696 - Main Pass 68 G Facility  
 Activity Number: PER20090001  
 Permit Number: 2240-00264-V3  
 Air - Title V Regular Permit Renewal!

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Main Pass 68 G Facility</b>						
EQT 0001	CE-01 - Compressor Engine		1550 horsepower	1550 horsepower		8760 hr/yr
EQT 0002	CE-02 - Compressor Engine		1665 horsepower	1665 horsepower		8760 hr/yr
EQT 0003	DC-01 - Diesel Crane Engine		100 horsepower	100 horsepower		104 hr/yr
EQT 0004	GE-01 - Generator Engine		100 horsepower	100 horsepower		8760 hr/yr
EQT 0005	CI-01 - Gas Operated Chemical-Inject Pump		8.33 scf/hr	8.33 scf/hr		8760 hr/yr
EQT 0006	CI-02 - Gas Operated Chemical-Inject Pump		8.33 scf/hr	8.33 scf/hr		8760 hr/yr
EQT 0007	DP-01 - Gas Operated Diaphragm Pump		120 scf/hr	120 scf/hr		365 hr/yr
EQT 0008	DP-02 - Gas Operated Diaphragm Pump		1200 scf/hr	1200 scf/hr		365 hr/yr
EQT 0009	DP-03 - Gas Operated Diaphragm Pump		600 scf/hr	600 scf/hr		365 hr/yr
EQT 0010	DP-04 - Gas Operated Diaphragm Pump		600 scf/hr	600 scf/hr		365 hr/yr
EQT 0011	LC-01 - Gas Operated Level Controllers		1 scf/hr	1 scf/hr		8760 hr/yr
EQT 0012	LC-02 - Gas Operated Level Controllers		42 scf/hr	42 scf/hr		8760 hr/yr
EQT 0013	LC-03 - Gas Operated Level Controllers		.2 scf/hr	.2 scf/hr		8760 hr/yr
EQT 0016	PC-02 - Gas Operated Pressure Controllers		7 scf/hr	7 scf/hr		8760 hr/yr
EQT 0017	CI-03 - Gas Operated Chemical-Inject Pump		8.33 scf/hr	8.33 scf/hr		2016 hr/yr
EQT 0018	CI-04 - Gas Operated Chemical-Inject Pump		8.33 scf/hr	8.33 scf/hr		8760 hr/yr
EQT 0019	DP-05 - Gas Operated Diaphragm Pump		120 scf/hr	120 scf/hr		104 hr/yr
EQT 0020	DP-06 - Gas Operated Diaphragm Pump		120 scf/hr	120 scf/hr		104 hr/yr
EQT 0021	BC-01 - Vent Scrubber Blowcase		75.97 scf/hr	75.97 scf/hr		52 hr/yr
FUG 0001	FE-01 - Facility Fugitives					8760 hr/yr

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
<b>Main Pass 68 G Facility</b>							
EQT 0001	CE-01 - Compressor Engine	92.1	9761.3	1.5	.75	75	900
EQT 0002	CE-02 - Compressor Engine	51.8	5493.4	1.5	.75	75	900
EQT 0003	DC-01 - Diesel Crane Engine	109.6	573.9	.33	.70	850	
EQT 0004	GE-01 - Generator Engine	60.7	317.8	.33	.50	850	
EQT 0005	CI-01 - Gas Operated Chemical-Inject Pump	7.05	.14	.02	.5	80	
EQT 0006	CI-02 - Gas Operated Chemical-Inject Pump	7.05	.14	.02	.15	80	
EQT 0007	DP-01 - Gas Operated Diaphragm Pump	2.08	25.39	.04	.5	80	
EQT 0008	DP-02 - Gas Operated Diaphragm Pump	63.47	20.77	.08	.5	80	
EQT 0009	DP-03 - Gas Operated Diaphragm Pump	31.73	10.38	.08	.5	80	
EQT 0010	DP-04 - Gas Operated Diaphragm Pump	63.47	20.77	.08	.5	80	
EQT 0011	LC-01 - Gas Operated Level Controllers					80	

**INVENTORIES**

AI ID: 32696 - Main Pass 68 G Facility  
 Activity Number: PER20090001  
 Permit Number: 2240-00264-V3  
 Air - Title V Regular Permit Renewal

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
<b>Main Pass 68 G Facility</b>							
EQT 0012	LC-02 - Gas Operated Level Controllers						80
EQT 0013	LC-03 - Gas Operated Level Controllers						80
EQT 0016	PC-02 - Gas Operated Pressure Controllers						80
EQT 0017	CI-03 - Gas Operated Chemical-Inject Pump	7.05	.14	.02		15	80
EQT 0018	CI-04 - Gas Operated Chemical-Inject Pump	7.05	.14	.02		15	80
EQT 0019	DP-05 - Gas Operated Diaphragm Pump	2.08	25.39	.04		5	80
EQT 0020	DP-06 - Gas Operated Diaphragm Pump	2.08	25.39	.04		5	80
EQT 0021	BC-01 - Vent Scrubber Blowcase	31.73	10.38	.04		15	80
FUG 0001	FE-01 - Facility Fugitives						

**Relationships:****Subject Item Groups:**

ID	Group Type	Group Description
UNF 0001	Unit or Facility Wide	68G - Main Pass 68 G Facility

**Group Membership:**

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

**Annual Maintenance Fee:**

Fee Number	Air Contaminant Source	Multplier	Units Of Measure
0041	0041 Crude Oil and Natural Gas Production (equal to or greater than 100 T/Yr and less than 250 T/Yr Source)		

**SIC Codes:**

1311	Crude petroleum and natural gas	AI 32696
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**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 32696 - Main Pass 68 G Facility  
**Activity Number:** PER20090001  
**Permit Number:** 2240-00264-V3  
 Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
<b>Main Pass 68 G Facility</b>															
EQT 0001 CE-01	<b>4.49</b>	4.49	19.66	<b>36.87</b>	36.87	164.48	<b>0.45</b>	0.45	1.96	<b>0.01</b>	0.01	0.05	<b>1.40</b>	1.40	6.11
EQT 0002 CE-02	<b>7.34</b>	7.34	32.16	<b>4.41</b>	4.41	19.29	<b>0.12</b>	0.12	0.52	<b>0.01</b>	0.01	0.05	<b>0.37</b>	0.37	1.62
EQT 0003 DC-01	<b>0.67</b>	0.67	0.04	<b>3.09</b>	3.09	0.16	<b>0.22</b>	0.22	0.01	<b>0.20</b>	0.20	0.01	<b>0.25</b>	0.25	0.01
EQT 0004 CE-01	<b>0.88</b>	0.88	3.86	<b>0.44</b>	0.44	1.93	<b>0.01</b>	0.01	0.03	<b>&lt;0.01</b>	<0.01	<0.01	<b>0.22</b>	0.22	0.97
EQT 0005 C-01													<b>0.02</b>	0.02	0.09
EQT 0006 C-02													<b>0.02</b>	0.02	0.09
EQT 0007 DP-01													<b>0.30</b>	0.30	0.06
EQT 0008 DP-02													<b>3.02</b>	3.02	0.55
EQT 0009 DP-03													<b>1.51</b>	1.51	0.27
EQT 0010 DP-04													<b>3.02</b>	3.02	0.55
EQT 0011 LC-01													<b>0.02</b>	0.02	0.07
EQT 0012 LC-02													<b>0.22</b>	0.22	0.95
EQT 0013 LC-03													<b>&lt;0.01</b>	<0.01	0.01
EQT 0016 PC-02													<b>0.13</b>	0.13	0.55
EQT 0017 CL-03													<b>0.02</b>	0.02	0.02
EQT 0018 CL-04													<b>0.02</b>	0.02	0.09
EQT 0019 DP-05													<b>0.30</b>	0.30	0.02
EQT 0020 DP-06													<b>0.30</b>	0.30	0.02
EQT 0021 BC-01													<b>0.19</b>	0.19	0.04
FUG 0001 FE-01													<b>1.40</b>	1.40	8.11

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 32696 - Main Pass 68 G Facility

Activity Number: PER20090001

Permit Number: 2240-00264-V3

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 CE-01	Acetaldehyde	0.090	0.090	0.40
	Benzene	0.023	0.023	0.10
	Ethyl benzene	<0.01	<0.01	0.01
	Formaldehyde	0.64	0.64	2.81
	Toluene	0.01	0.01	0.05
	Xylene (mixed isomers)	<0.01	<0.01	0.01
	n-Hexane	0.01	0.01	0.02
EQT 0002 CE-02	Acetaldehyde	0.03	0.03	0.15
	Benzene	0.02	0.02	0.09
	Ethyl benzene	<0.01	<0.01	<0.01
	Formaldehyde	0.26	0.26	1.12
	Toluene	0.01	0.01	0.03
	Xylene (mixed isomers)	<0.01	<0.01	0.01
EQT 0003 OC-01	Acetaldehyde	<0.01	<0.01	<0.01
	Benzene	<0.01	<0.01	<0.01
	Formaldehyde	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	Xylene (mixed isomers)	<0.01	<0.01	<0.01
EQT 0004 GE-01	Acetaldehyde	<0.01	<0.01	0.01
	Benzene	<0.01	<0.01	0.01
	Formaldehyde	0.02	0.02	0.07
	Toluene	<0.01	<0.01	<0.01
	Xylene (mixed isomers)	<0.01	<0.01	<0.01
EQT 0005 CI-01	2,2,4-Trimethylpentane	<0.01	<0.01	<0.01
	Benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	Xylene (mixed isomers)	<0.01	<0.01	<0.01
	n-Hexane	<0.01	<0.01	<0.01
EQT 0006 CI-02	2,2,4-Trimethylpentane	<0.01	<0.01	<0.01
	Benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	Xylene (mixed isomers)	<0.01	<0.01	<0.01
	n-Hexane	<0.01	<0.01	<0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 32696 - Main Pass 68 G Facility

Activity Number: PER20090001

Permit Number: 2240-00264-V3

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0007 DP-01	2,2,4-Trimethylpentane	<0.01	<0.01	<0.01
	Benzene	<0.01	<0.01	<0.01
	Ethyl benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	Xylene (mixed isomers)	<0.01	<0.01	<0.01
	n-Hexane	0.01	0.01	0.01
EQT 0008 DP-02	2,2,4-Trimethylpentane	0.02	0.02	<0.01
	Benzene	0.02	0.02	0.01
	Ethyl benzene	0.01	0.01	<0.01
	Toluene	0.02	0.02	0.01
	Xylene (mixed isomers)	0.01	0.01	<0.01
	n-Hexane	0.08	0.08	0.01
EQT 0009 DP-03	2,2,4-Trimethylpentane	0.01	0.01	<0.01
	Benzene	0.01	0.01	<0.01
	Ethyl benzene	<0.01	<0.01	<0.01
	Toluene	0.01	0.01	<0.01
	Xylene (mixed isomers)	<0.01	<0.01	<0.01
	n-Hexane	0.04	0.04	0.01
EQT 0010 DP-04	2,2,4-Trimethylpentane	0.02	0.02	<0.01
	Benzene	0.02	0.02	<0.01
	Ethyl benzene	<0.01	<0.01	<0.01
	Toluene	0.02	0.02	<0.01
	Xylene (mixed isomers)	0.01	0.01	<0.01
	n-Hexane	0.08	0.08	0.01
EQT 0011 LC-01	2,2,4-Trimethylpentane	<0.01	<0.01	<0.01
	Benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	Xylene (mixed isomers)	<0.01	<0.01	<0.01
EQT 0012 LC-02	2,2,4-Trimethylpentane	<0.01	<0.01	0.01
	Benzene	<0.01	<0.01	0.01
	Ethyl benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	0.01
	Xylene (mixed isomers)	<0.01	<0.01	<0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 32696 - Main Pass 68 G Facility

Activity Number: PER20090001

Permit Number: 2240-00264-V3

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0012 LC-02	n-Hexane	<0.01	<0.01	0.02
EQT 0013 LC-03	n-Hexane	<0.01	<0.01	<0.01
EQT 0016 PC-02	2,2,4-Trimethylpentane	<0.01	<0.01	<0.01
	Benzene	<0.01	<0.01	<0.01
	Ethyl benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	Xylene (mixed isomers)	<0.01	<0.01	<0.01
	n-Hexane	<0.01	<0.01	0.01
EQT 0017 CI-03	2,2,4-Trimethylpentane	<0.01	<0.01	<0.01
	Benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	n-Hexane	<0.01	<0.01	<0.01
EQT 0018 CI-04	2,2,4-Trimethylpentane	<0.01	<0.01	<0.01
	Benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	Xylene (mixed isomers)	<0.01	<0.01	<0.01
	n-Hexane	<0.01	<0.01	<0.01
EQT 0019 DP-05	2,2,4-Trimethylpentane	<0.01	<0.01	<0.01
	Benzene	<0.01	<0.01	<0.01
	Ethyl benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	Xylene (mixed isomers)	<0.01	<0.01	<0.01
	n-Hexane	0.01	0.01	<0.01
EQT 0020 DP-06	2,2,4-Trimethylpentane	<0.01	<0.01	<0.01
	Benzene	<0.01	<0.01	<0.01
	Ethyl benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	Xylene (mixed isomers)	<0.01	<0.01	<0.01
	n-Hexane	0.01	0.01	<0.01
EQT 0021 BC-01	2,2,4-Trimethylpentane	<0.01	<0.01	<0.01
	Benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	n-Hexane	0.01	0.01	<0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 32696 - Main Pass 68 G Facility

Activity Number: PER20090001

Permit Number: 2240-00264-V3

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0001 FE-01	2,2,4-Trimethylpentane	<0.01	<0.01	<0.01
	Benzene	0.01	0.01	0.03
	Ethyl benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	0.01
	Xylene (mixed isomers)	<0.01	<0.01	<0.01
	n-Hexane	0.07	0.07	0.32
UNF 0001 68G	2,2,4-Trimethylpentane			0.02
	Acetaldehyde			0.557
	Benzene			0.236
	Ethyl benzene			0.010
	Formaldehyde			4.001
	Toluene			0.113
	Xylene (mixed isomers)			0.034
	n-Hexane			0.422

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**SPECIFIC REQUIREMENTS**

**AI ID: 32696 - Main Pass 68 G Facility**  
**Activity Number: PER20090001**  
**Permit Number: 2240-00264-V3**  
**Air - Title V Regular Permit Renewal**

**EQT 0001 CE-01 - Compressor Engine**

- 1 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 2 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: Six-minute average  
 Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 3 [LAC 33:III.507.H.1.a] Equipment/operational data recordkeeping by electronic or hard copy semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Report contains a complete performance and condition analysis, adjustments made, and list for future repairs and/or maintenance work, including scheduled date. Keep report on site and make available for review by DEQ personnel.
- 4 [LAC 33:III.507.H.1.a] Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 5 [LAC 33:III.507.H.1.a] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO<sub>2</sub> / ton 100% H<sub>2</sub>SO<sub>4</sub>, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H<sub>2</sub>SO<sub>4</sub> was being produced). Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

**EQT 0002 CE-02 - Compressor Engine**

- 6 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 7 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: Six-minute average

**SPECIFIC REQUIREMENTS**

**AI ID: 32696 - Main Pass 68 G Facility**  
**Activity Number: PER20090001**  
**Permit Number: 22440-00264-V3**  
**Air - Title V Regular Permit Renewal**

**EQT 0002 CE-02 - Compressor Engine**

- 9 [LAC 33:III.507.H.1.a] Equipment/operational data recordkeeping by electronic or hard copy semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Report contains a complete performance and condition analysis, adjustments made, and list for future repairs and/or maintenance work, including scheduled date. Keep report on site and make available for review by DEQ personnel.
- 10 [LAC 33:III.507.H.1.a] Demonstrate compliance with CO and NOX emission limits of this permit by performing semiannual preventive maintenance analysis and necessary adjustment to maintain compressor/engine performance and emissions in the same range as the initial stack test. Include in this analysis a complete compressor/engine unit performance testing for the natural gas fired internal combustion engine. Include in periodic engine analysis the following: 1) Setup, calibrate, and synchronize the performance analysis equipment per manufacturer's specification. Submit a procedural write up to LDEQ and keep on site. 2) Perform a power cylinder performance analysis with checks for combustion stability, peak pressure angle, detection of misfires, detonation, and pre-ignition. 3) Perform a primary and secondary ignition analysis including checking the ignition timing on each spark plug. 4) Perform a vibration analysis for the detection of mechanical problems such as worn leaking piston rings, piston/cylinder wear, fuel injection problems, etc. 5) Perform a compressor end analysis for detection of leaking valves or rings, or unnecessary recirculation of gas. 6) Check and record the IHP (indicated horsepower) on each end of each compressor cylinder. Determine the compressor load. Observe the PT (pressure vs. time) pattern, the PV (pressure vs. volume) pattern, and vibration traces on the analyzer oscilloscope. Take pictures of these traces for each cylinder. 7) Check and record the BMEP (brake mean effective pressure) on all power cylinders and check all hydraulic lifter adjustments. 8) Balance the load on all power cylinders by indicated horsepower. 9) Reread the IHP on each power cylinder and take pictures of the traces of each cylinder (e.g., PT, PV, and vibration).
- 11 [LAC 33:III.507.H.1.a] Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 12 [LAC 33:III.507.H.1.a] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO<sub>2</sub> / ton 100% H<sub>2</sub>SO<sub>4</sub>, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H<sub>2</sub>SO<sub>4</sub> was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- 13 [LAC 33:III.507.H.1.a] Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

**EQT 0003 DC-01 - Diesel Crane Engine**

**SPECIFIC REQUIREMENTS**

**AI ID:** 32696 - Main Pass 68 G Facility  
**Activity Number:** PER20090001  
**Permit Number:** 22440-00264-V3  
**Air - Title V Regular Permit Renewal**

**EQT 0003 DC-01 - Diesel Crane Engine**

- 14 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: Six-minute average

**EQT 0004 GE-01 - Generator Engine**

- 16 [40 CFR 60.4233(f)(4)] Carbon monoxide <= 4.0 g/BHP-hr (0.0088 lb/HP-hr; 540 ppmvd at 15% O2). Subpart JJJ. [40 CFR 60.4233(f)(4)]  
 Which Months: All Year Statistical Basis: None specified  
 (Excluding formaldehyde) VOC, Total <= 1.0 g/BHP-hr (0.0022 lb/HP-hr; 86 ppmvd at 15% O2). Subpart JJJ. [40 CFR 60.4233(f)(4)]  
 Which Months: All Year Statistical Basis: None specified  
 Nitrogen oxides <= 2.0 g/BHP-hr (0.0044 lb/HP-hr; 160 ppmvd at 15% O2). Subpart JJJ. [40 CFR 60.4233(f)(4)]  
 Which Months: All Year Statistical Basis: None specified  
 Operate and maintain stationary SI ICE to achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine.  
 Subpart JJJ.  
 Demonstrate compliance with 40 CFR 60.4233(f) according to 40 CFR 60.4243(b)(2)(i) or (b)(2)(ii), except that for a non-certified engine complying according to 40 CFR 60.4243(b)(2)(i), demonstrate that the engine complies with the emission standards specified in 40 CFR 60.4233(f). Subpart JJJ. [40 CFR 60.4243(c)]  
 Operate using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations. Keep records of such use. If propane is used for more than 100 hours per year and the engine is not certified to the emission standards when using propane, conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. Subpart JJJ. [40 CFR 60.4243(e)]  
 Perform initial performance testing as indicated in 40 CFR 60.4243, if the engine is either non-certified or is not operated or maintained, along with the control device, according to the manufacturer's written emission-related instructions. Conduct subsequent performance testing, if the engine is rebuilt or undergoes major repair or maintenance. Subpart JJJ. [40 CFR 60.4243(f)]  
 Conduct performance tests by following the procedures in 40 CFR 60.4244(a) through (g). Subpart JJJ.  
 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information in 40 CFR 60.4245(a) through (a)(4). Subpart JJJ. [40 CFR 60.4245(a)]  
 Submit performance test results: Due within 60 days after each test conducted according to 40 CFR 60.4244 has been completed. Subpart JJJ.  
 [40 CFR 60.4245(d)]  
 Meet the requirements of 40 CFR 60 Subpart JJJ for spark ignition engines. Subpart ZZZZ. [40 CFR 63.6590(c)]  
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 32696 - Main Pass 68 G Facility  
 Activity Number: PER20090001  
 Permit Number: 2240-00264-V3  
 Air - Title V Regular Permit Renewal

**EQT 0004 GE-01 - Generator Engine**

28 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: Six-minute average

**FUG 0001 FE-01 - Facility Fugitives**

29 [LAC 33:III.2111] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

**UNF 0001 68G - Main Pass 68 G Facility**

- Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.  
 Outdoor burning of waste material or other combustible material is prohibited.  
 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.  
 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.  
 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.  
 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.  
 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.  
 Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537.  
 [LAC 33:III.535, LAC 33:III.537]  
 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority.  
 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.  
 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.